References :

1 Aronstein David L. and Stroud C. R. (2000), General series solution for finite square-well y levels for use in wave-packet studies, *Am. J. Phys.*, Vol. 68(10), 943-949.

2. Bailey M. and Chamber J. (2004), Using the Experiential Learning Model to Transform an Engineering Thermodynamics Course, *34th ASEE/IEEE Frontiers in Education Conference*, 1-6.

3. Baser M. (2006), Effect of Conceptual Change Oriented Instruction on Students' Understanding of Heat and Temperature Concepts, *Journal of Maltese Education Research*, Vol.4 (1), 64-79.

4. Baser Mustafa (2006), Promoting conceptual change through active learning using open source software for physics simulations, *Australasian Journal of Educational Technology*, Vol. 22(3), 336-354.

5. Barojas Jorge(2007), Problem solving and writing I: The point of view of physics, *Lat. Am. J. Phys. Educ.*,Vol.1(1),4-12.

6. BAKAC Mustafa, TASOGLU Aslıhan KARTAL, AKBAY Turgay(2011),The Effect of Computer Assisted Instruction with Simulation in Science and Physics Activities on the Success of Student: Electric Current, *Eurasian J. Phys. Chem. Educ.*, Jan (Special Issue),34-42.

7. Bergeler Elmar (2009), Experiment showing the motion of a falling object and the influence of air drag, *Lat. Am. J. Phys. Educ.*, Vol.3(1),52-54.

8. Bilal Esra and Erol Mustafa(2009), Investigating Students' Conceptions of Some Electricity Concepts, *Lat. Am. J. Phys. Educ.*, Vol. 3(2),193-201.

9. Bohm P.(2008) ,Computer-Assisted Teaching and Learning of Physics, *WDS'08 Proceedings of Contributed Papers, Part III*, 19–23.

10. Chabay R and Sherwood B.(2006), Restructuring the introductory electricity and magnetism course, *Am. J. Phys*., Vol. 74(4), 329-336.

11. Christensen W., Meltzer D. and Ogilvie C. (2009), Students' ideas regarding entropy and the second law of thermodynamics in an introductory physics course. *American Journal of Physics*, Vol.77 (10), 907-917.

12. Coletta Vincent P. and. Phillips Jeffrey A.(2005), Interpreting FCI scores: Normalized gain, preinstruction scores, and scientific reasoning ability, *Am. J. Phys.*, Vol.73 (12), 1172-1182.

13. Cox A., Belloni M., Dancy M. & Christian W. (2003), Teaching thermodynamics with physlets in introductory physics. *Physics education,*Vol.38 (5), 433-440.
14. Dancy, M. H. & Beichner, R. (2006). Impact of animation on assessment of conceptual understanding in physics. *Physical Review Special Topics - Physics Education Research*, Vol.2(1),1-7.
15. Day J. & Boun D. (2011), Development of the Concise Data Processing Assessment. *Physical Review Special Topics - Physics Education Research*, Vol.7 (1), 1-14.
16. Ding L., Chabay R., Sherwood B. & Beichner R. (2006), Evaluating electricity and magnetism assessment tool: Brief electricity and magnetism assessment. *Physical Review Special Topics - Physics Education Research*, Vol.2 (1), 1-7.
17. Dufresne Robert J. and Gerace William J. (2004), Assessing-To-Learn: Formative Assessment inPhysics Instruction, *THE PHYSICS TEACHER*, Vol. 42,428-433.
18. Engelhardt Paula Vetter and Beichner Robert J.(2004), Students' understanding of direct current resistive electrical circuits, *Am. J. Phys.*, Vol. 72(1), 98-115.
19. Hake R. R. (1998), Interactive-engagement vs traditional methods: A six-thousand student survey of mechanics test data for introductory physics courses. *American Journal of Physics*, Vol.66 (1), 64-74.
20. Hake Richard (2007), Six Lessons From The Physics Education Reform Effort, Lat. Am. J. Phys. Educ., Vol.1 (1), 24-31.
21. Hall S., Amelink C. T. and Conn S.S.(2010), A Case Study of a Thermodynamics Course: Informing Online Course Design, *JOURNAL OF ONLINE ENGINEERING EDUCATION*, Vol. 1(2), 1-8.
22. Hassanain A.A. (2011)**,** Student Credibility for Assessing Thermodynamic Course in Agricultural Engineering Program**,** *Agricultural Engineering Research Journal*, Vol.1 (1), 1-3.
23. Holec S., Spodniakova Pfefferova M. & Raganova J. (2004), Computer Simulations in Mechanics at the Secondary School. *Informatics in Education*, Vol.3 (2), 229–238.
24. Junglas P. (2006), Simulations Programs for Teaching Thermodynamics, *Global Journal of Engineering Education*, Vol. 10(2), 175-180.
25. Kautz C. H., Heron P. R., Loverude M. E & McDermott L. C. (2005), Student understanding of the ideal gas law, Part I: A macroscopic Perspective., *American Journal of Physics*, Vol.73 (11), 1055-1063.

26. Ladera Celso L.(2009), Evaluation in physics teaching: make it an opportunity for further learning, *Lat. Am. J. Phys. Educ.* Vol.(3),527-534.
27. Ladera Celso L., Leon Eduardo Aloma y Pilar(2010), The Virial Theorem and its applications in the teaching of Modern Physics, *Lat. Am. J. Phys. Educ.*, Vol.(4)2,260-266.
28. Loverude M., Kautz C., and Heron P. (2002), Students understanding of the first law of thermodynamics: Relating work to the adiabatic compression of an ideal gas. *American Journal of Physics*, Vol. (70)2, 137-148.
29. Maloney D. T., O'Kuma C., Hieggelke & Heuvelen A. V. (2001), Surveying students' conceptual knowledge of electricity and magnetism. *Physics Education Research, American Journal of Physics Supplement,* Vol.69 (7), 12-23.
30. Meltzer, D. E. (2002), The relationship between mathematics preparation and conceptual learning gains in physics: A possible ''hidden variable'' in diagnostic pretest scores, *Am. J. Phys.*, Vol.70 **(**12), 1259-1268.
31. Meltzer, D. E. (2004), Investigation of students' reasoning heat, work and the first law of thermodynamics in an introductory calculus-based general physics course. *American Journal of Physics*, Vol.72 (11), 1432-1446.
32. Meltzer, D. E., Manivannan Kandiah (2002), Transforming the lecture-hall environment: The fully interactive physics lecture , *Am. J. Phys.* ,Vol.70 (6), 639-654.
33. Ozdemir Erdogan and Erol Mustafa (2010), Teaching Uncertainty Principle by Hybrid Approach: Single Slit Diffraction Experiment, *Lat. Am. J. Phys. Educ.*, Vol. 4(3), 477-480.
34. Pollock S. J. (2009), Longitudinal study of student conceptual understanding in electricity and magnetism, *PHYS. REV. ST PHYS. EDUC. RES.*, Vol. 5(2), 1-8.
35. Robbins D. and Ardebili M. (2006), Engineering Students' Conceptions of Heat and Temperature Pre and Post Thermodynamics Course, *American Society for Engineering Education,* 1-9.
36. Soares Reginaldo R., Borges Paulo de F.(2010), A History of Science classroom experience: Teaching the movement concept, *Lat. Am. J. Phys. Educ.*, Vol. 4(3), 481-496.
37. Steinberg Richard N., Wittmann Michael C. and Redish Edward F.(1997), MATHEMATICAL TUTORIALS IN INTRODUCTORY PHYSICS, *The Changing Role*

Of Physics Departments In Modern University AIP Conference Proceedings 399,1075-1092.

38. Tambade Popat S., Wagh Bhiva G.(2007), Assessing the Effectiveness of Multimedia Package in Undergraduate Physics teaching, *Journal of Effective Teaching*, Vol. xx(xx),1-12.
39. Tambade Popat S., Wagh Bhiva G.(2011), Assessing the Effectiveness of Computer Assisted Instructions in Physics at Undergraduate Level, *Eurasian J. Phys. Chem. Educ.*, Vol.3(2),127-136.
40. Tanahoung C., Chitaree R. & Soankwan C. (2010), Probing Thai freshmen Science Students' Conceptions of Heat and Temperature Using Open-ended questions: A case study, *Eurasian J. Phys. Chem. Educ* .,Vol. 2(2),82-94.
41. TANEL Zafer and EROL Mustafa (2008), Students' Difficulties in Understanding the Concepts of Magnetic Field Strength, Magnetic Flux Density and Magnetization, *Lat. Am. J. Phys. Educ.*, Vol. 2(3), 185-191.
42. Tao P.K., & Gunstone R.F. (1999), The process of conceptual change in force and motion during computer-supported physics instruction. *Journal of Research in Science Teaching*, Vol.36(7), 859-882.
43. Viennot Laurence(2008), Teaching physics: research-based suggestions and teachers' reactions, toward a better interaction?, *Lat. Am. J. Phys. Educ.*, Vol. 2(1),21-28.
44. Yeo S. & Zandik, M. (2001), Introductory Thermal Concept Evaluation: Assessing Students' understanding. *The Physics Teacher*, Vol-39, 496-504.